(a) "First, the applicant is reminded that a conclusion of obviousness may be made from common knowledge and common sense of the person of ordinary skill without any specific hint or suggestion in a particular reference."

The Federal Circuit, in *In re Lee*, 277 F.3d 1338 (Fed. Cir. 2002) has addressed this contention and expressly rejected it. Enclosed are copies of two pages from the leading patent treatise, "Chisum on Patents," §5.04[1][e][iv], discussing the Federal Circuit's decision, and stating the holding:

"the PTO board <u>erred</u> in stating that it could reach a conclusion of obviousness based on 'common knowledge and common sense of a person of ordinary skill in the art without any specific hint or suggestion in a particular reference'." (emphasis added).

Also enclosed is a copy of the case, which leaves no room for argument on this point--any rejections that are being maintained based on "common knowledge and common sense" must be withdrawn.

(b) "Second, Temple provides a flexible cable connected to a toggle bar so as to provide a mechanism that is simple in construction and in operation."

It is acknowledged that Temple provides a flexible cable and that the device is simple in construction and operation. This has no particular relevance, however. The rejections are based on modifying Onofrio, and the question is not how well a flexible cable works in Temple; the question is whether there was any motivation to use a flexible cable as a substitute for the rod in Onofrio.

The Examiner has not shown that there was any such motivation, so there is no prima

facie basis any rejections on this ground as Applicant has previously pointed out. Moreover, the proposed substitution is contrary to the teachings of Onofrio for at least the following reason:

Onofrio is a fastener used to fasten drywall panels, as taught at Col. 2, lines 23 - 25. It employs, not just any rod, but a threaded rod, the rod being threaded so that the relative positions of the rod and the wings 20 can be adjusted for tightening the fastener, as taught at col. 3, lines 33 - 67. A flexible cable cannot be threaded and is, for this reason among others, not an appropriate substitute for the rod.

(c) "Further, by providing a flexible cable instead of using a rod . . . will not affect the mechanism or the operation of the bolt assembly."

This is both incorrect and irrelevant. It is irrelevant because MPEP §2143.01 states emphatically: "FACT THAT REFERENCES CAN BE COMBINED OR MODIFIED IS NOT SUFFICIENT TO ESTABLISH *PRIMA FACIE* OBVIOUSNESS" (emphasis in original). It does not establish obviousness to argue that Onofrio would work just as well if the rod were replaced with a flexible cable, even if this were true. But it is not true, and so the statement is also incorrect, as explained in (b) above.

(d) "As seen in Attachment #1, Hamlin [U.S. Patent No. 4,615,514] teaches a plug (36) that includes a recess capable of receiving and holding a toggle bar in a closed position."

This statement contains a critical error that renders it incapable of supporting the rejections. It is true that Hamlin discloses a structure that is capable of locking the arm members 20 and 22 in the position shown in Attachment #1. However, that is not the claimed "closed Page 3 - RESPONSE (10/718,929)

position." To the contrary, the arm members 20 and 22 are shown held in an "open position" that

would prevent the device from being inserted into, or withdrawn from, the hole. So Attachment

#1 is simply more evidence that Hamlin fails to teach or suggest the subject matter claimed.

(e) "As to the rejection of claims 58 and 59, although the arguments presented by the applicant with respect that the prior art does not teach or suggest the method claimed, the previous rejection to the claims has been withdrawn and a new grounds of rejection has been made on the record in view of Onofrio, as modified by Temple

and Hamlin, since Burbidge teachings are irrelevant to the rejection of these claims."

The rejections of claims 58 and 59 merely recite the claim elements along with a list of

references, Burbidge now being omitted from the list. No explanation is provided as to how or

where the references allegedly teach or suggest the claimed invention, and so these rejections do

not meet the basic requirements of a prima facie case (MPEP §2142 et seq.)

Conclusion

For the reasons explained above, none of the arguments made in the "Response to

Arguments" section of the Office Action is effective to rebut the Applicant's prior showing that

the rejections stand unsupported. Accordingly, the Examiner is respectfully requested to allow

the claims and pass this case to issue.

Respectfully submitted,

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Page 4 - RESPONSE (10/718,929)

Similarly, in In re Lee (2002), 100 the court held that the PTO board erred in stating that it could reach a conclusion of obviousness based on "common

references showing (1) conventional trash bags, and (2) "children's art" with jack-o'-lantern faces on the outside of paper sacks (Holiday and Shapiro). The court reversed because the PTO's broad conclusory statements regarding the teaching of multiple references, standing alone, were not "actual evidence" supporting a suggestion to combine.

concerning the identification of the relevant art, the level of ordinary skill in the art, the nature art references, e.g., the conventional trash or yard bags, and the Holiday and Shapiro publications teaching the construction of decorated paper bags. . . . To justify this combination, the Board simply stated that 'the Holiday and Shapiro references would have suggested the application of . . . facial indicia to the prior art plastic trash bags. . . . However, rather than pointing to specific information in Holiday or Shapiro that suggest the combination with the conventional bags, the Board instead described in detail the similarities between the Holiday and Shapiro references and the claimed invention, noting that one reference or the other-in combination with each other and the conventional trash bags—described all of the limitations of the pending claims. . . . Nowhere does the Board particularly identify any suggestion, teaching, or trash or lawn bag references, nor does the Board make specific—or even inferential—findings of the problem to be solved, or any other factual findings that might serve to support a proper "All the obviousness rejections affirmed by the Board resulted from a combination of prior motivation to combine the children's art references (Holiday and Shapiro) with the conventional obviousness analysis.

"To the contrary, the obviousness analysis in the Board's decision is limited to a discussion tured orange' bag material, . . . finds that Shapiro teaches the use of paper bags in various bags to yield the claimed invention. See Rouffet . . . (noting Board's failure to explain, when suggested the combination'). Because we do not discern any finding by the Board that there was a suggestion, teaching, or motivation to combine the prior art references cited against the of the ways that the multiple prior art references can be combined to read on the claimed invention. For example, the Board finds that the Holiday bag reference depicts a 'premanufacsizes, including 'large', . . . and concludes that the substitution of orange plastic for the crepe paper of Holiday and the paper bags of Shapiro would be an obvious design choice. . . . Yet this reference-by-reference, limitation-by-limitation analysis fails to demonstrate how the Holiday and Shapiro references teach or suggest their combination with the conventional trash or lawn analyzing the prior art, 'what specific understanding or technical principle . . . would have pending. claims, the Board's conclusion of obviousness, as a matter of law, cannot stand." 75 F.3d at 1000, 50 USPQ2d at 1617-18.

065, 1975 (Fed. Cir. 2000), cert. denied, 532 U.S. 974 (2001) (a district court's "reference-byreference, limitation-by-limitation analysis wholly fails to demonstrate how the prior art teaches See also Ecolochem, Inc. v. Southern California Edison Co., 227 F.3d 1361, 1374, 56 USPQ2d or suggests the combination claimed in the . . . patent.").

100 In re Lee, 277 F.3d 1338, 61 USPQ2d 1430 (Fed. Cir. 2002). See § 11.03[1][c][iii][A].

Compare In re Huston, 308 F.3d 1267, 1280, 1283, 64 USPQ2d 1801 (Fed. Cir. 2002) (unlike made a "passing reference" to such knowledge and sense, but, in fact, it found the motivation in the prior references themselves."; PROST, DISSENTING IN PART: ". . . I cannot agree that the Board's conclusions as to the combination of [the two references] are 'cryptic'-they are In re Lee, 277 F.3d 1338, 61 USPQ2d 1430 (Fed. Cir. 2002), the Board did not rely merely on "common knowledge" and "common sense" to find a motivation to combine the references; it nonexistent."); In re Thrift, 298 F.3d 1357, 1364, 63 USPQ2d 2002 (Fed. Cir. 2002) (an examiner and the PTO Board provided clear documentation of its reasoning in rejecting an applicant's claim

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enowledge and common sense of a person of ordinary skill in the art without any specific hint or suggestion in a particular reference."101

Cir. 1999) ('Our case law makes clear that the best defense against the subtle but powerful attraction of a hindsight-based obviousness analysis is rigorous 1596, 1600 (Fed. Cir. 1988) ("teachings of references can be combined only USPQ 929, 933 (Fed. Cir. 1984)). . . The need for specificity pervades this authority. See, e.g., In re Kotzab, 217 F.3d 1365, 1371, 55 USPQ2d 1313, " The factual inquiry whether to combine references must be thorough and searching.' . . . It must be based on objective evidence of record. This precedent has been reinforced in myriad decisions, and cannot be dispensed with. See, e.g., Brown & Williamson Tobacco Corp. v. Philip Morris Inc., 229 F.3d 1120, 1124-25, 56 USPQ2d 1456, 1459 (Fed. Cir. 2000) ('a showing of a suggestion, teaching, or motivation to combine the prior art references application of the requirement for a showing of the teaching or motivation USPQ2d 1635, 1637 (Fed. Cir. 1998) (there must be some motivation, that was made by the applicant); In re Fine, 837 F.2d 1071, 1075, 5 USPQ2d 1317 (Fed. Cir. 2000) ('particular findings must be made as to the reason the skilled artisan, with no knowledge of the claimed invention, would have selected these components for combination in the manner claimed'); In re Rouffet, 149 F.3d 1350, 1359, 47 USPQ2d 1453, 1459 (Fed. Cir. 1998) ('even when the level of skill in the art is high, the Board must identify specifically the principle, known to one of ordinary skill, that suggests the claimed combination. In other words, the Board must explain the reasons one of is an "essential component of an obviousness holding" ' (quoting C.R. Bard, Cir. 1998)); In re Dembiczak, 175 F.3d 994, 999, 50 USPQ2d 1614, 1617 (Fed. to combine prior art references.'); In re Dance, 160 F.3d 1339, 1343, 48 suggestion, or teaching of the desirability of making the specific combination if there is some suggestion or incentive to do so."') (emphasis in original) Inc., v. M3 Systems, Inc., 157 F.3d 1340, 1352, 48 USPQ2d 1225, 1232 (Fed. (quoting ACS Hosp. Sys., Inc. v. Montefiore Hosp., 732 F.2d 1572, 1577, 221

See also National Steel Car, Ltd. v. Canadian Pacific Railway, Ltd., 254 F. Supp.2d 527, 566 E.D. Pa. 2003) (citing Lee; "When inquiring as to the facts surrounding whether there was a suggestion, teaching, or motivation to combine the prior art references, a Court must be thorough

101 277 F.3d at 1343.

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(Rel.90-11/03 Pub.525)

I, but they failed to provide an adequate ground for rejecting the applicant's claims 11 and 14; "Recently, in In re Lee, 277 F.3d 1338, 61 USPQ2d 1430 (Fed. Cir. 2002), we held that the Board's reliance on 'common knowledge and common sense' did not fulfill the agency's obligation to cite references to support its conclusions. . . . Instead, the Board must document its reasoning on the CLEAR IDENTIFICATION OF MOTIVATION TO COMBINE: "In the present case, the reasoning articulated by the Board is exactly the type of reasoning required by In re Lee. Both the examiner and the Board clearly identified a motivation to combine the references "), record to allow accountability. . . . This documentation also allows effective judicial review."

In re SANG-SU LEE.

No. 00-1158.

United States Court of Appeals, Federal Circuit.

Jan. 18, 2002.

ent application directed toward method of Board of Patent Appeals and Interferautomatically displaying functions of video ences rejected all claims of inventor's patdisplay device that demonstrated how to select and adjust functions in order to pealed. The Court of Appeals, Pauline Newman, Circuit Judge, held that analysis facilitate response by user. Inventor apby Board did not comport with either legal requirements for determination of obviousness or with requirements of Administrative Procedure Act (APA).

Vacated and remanded.

1. Patents ⇔113(6)

Tribunals of the Patent and Trademark Office (PTO) are governed by the their rulings receive the same judicial def-Administrative Procedure Act (APA), and erence as do tribunals of other administrative agencies. 5 U.S.C.A. § 551 et seq.

2. Administrative Law and Procedure €485, 507

For judicial review to be meaningfully achieved within the strictures of the Administrative Procedures Act (APA), an agency tribunal must present a full and reasoned explanation of its decision; the agency tribunal must set forth its findings and the grounds thereof, as supported by the agency record, and explain its application of the law to the found facts. U.S.C.A. § 706(2).

3. Patents ⇔113(6)

denying an application for a patent is Judicial review of a decision of the Board of Patent Appeals and Interferences

founded on the obligation of the agency to vide an administrative record showing the make the necessary findings and to prof accompanied by the agency's reasoning evidence on which the findings are based reaching its conclusions. 5 U.S.C.A. § 551 et seg.

4. Patents €=31.1

obviousness, it is fundamental that the As applied to the determination of jection of a patent application must be patentability vel non when the issue based on evidence comprehended by the language of the statute addressing oby ousness. 35 U.S.C.A. § 103.

5. Patents ⇔16.5(1)

ters on prior art and the analysis ther obviousness, the search for and analysis The patent examination process when patentability turns on the question the prior art includes evidence relevan combine the references relied on as dence of obviousness. 35 U.S.C.A. the finding of whether there is a teach motivation, or suggestion to select

6. Patents ⇔26(1)

termination by the Board of Patent Miss peals and Interferences, the factual inqui on objective evidence of record In the context of an obviousness dery whether to combine references must be thorough and searching; it must be based U.S.C.A. § 103.

7. Patents ⇔111

Analysis of invention by Board of Parent Appeals and Interferences did in the state of the sta comport with either legal requirements for determination of obviousness or with quirements of Administrative Procedure Act (APA) on basis that agency tribunal did not set forth findings and explanations needed for reasoned decisionmaking; Kexa aminer used conclusory statements to support his subjective belief that it was objective

Cite as 277 F.3d 1338 (Fed. Cir. 2002) IN RE SANG-SU LEE

ous that person skilled in the art would and Board rejected need for any specific hint or suggestion in particular reference have been motivated to combine prior art, to support combination of prior art. U.S.C.A. § 706(2); 35 U.S.C.A. § 103.

Patents ⇐ 26(1)

factual question of motivation to combine In an obviousness determination, the prior art is material to patentability, and cannot be resolved on subjective belief and unknown authority. 35 U.S.C.A. § 103.

9. Patents \$\sim_26(1), 111

would have been led to combine refertor taught against its teacher; thus, the Board of Patent Appeals and Interferences must not only assure that the requisite findings are made, based on evidence of ing by which the findings are deemed to der patent law, it is improper, in determinences, simply to use that which the invenrecord, but must also explain the reasonng whether a person of ordinary skill In an obviousness determination unsupport the agency's conclusion. U.S.C.A. § 706(2); 35 U.S.C.A. § 103.

10. Administrative Law and Procedure

Administrative Procedure Act (APA) does not relieve the agency of its obligation to Deferential judicial review under the develop an evidentiary basis for its findings; to the contrary, the APA reinforces this obligation. 5 U.S.C.A. § 706(2).

11. Administrative Law and Procedure *⇔*763, 796

the Administrative Procedure Act (APA), a decision by an agency tribunal that has an e In the context of judicial review under omission of a relevant factor required by precedent is both legal error and "arbitrary agency action." 5 U.S.C.A. § 551

es for other judicial constructions and definitions. See publication Words and Phras-

12. Administrative Law and Procedure

specialized knowledge and expertise, such that when reasoned findings are made, a The foundation of the principle of judicial deference under the Administrative Procedures Act (APA) to the rulings of agency tribunals is that the tribunal has reviewing court may confidently defer to the agency's application of its knowledge in its area of expertise; however, reasoned findings are critical to the performance of agency functions and judicial reliance on agency competence. 5 U.S.C.A. § 706(2).

13. Patents ⇔16(1)

The determination of patentability on the ground of unobviousness is ultimately one of judgment; in furtherance of the judgmental process, the patent examination procedure serves both to find, and to place on the official record, that which has been considered with respect to patentability. 35 U.S.C.A. § 103.

14. Patents ≈16(3), 104, 111

Board of Patent Appeals and Interferences are deemed to have experience in the field termination, the patent examiner and the insofar as applied to the determination of patentability, must be applied from the skill in the art to which said subject matter In the context of an obviousness deof the invention; however, this experience, viewpoint of the person having ordinary pertains. 35 U.S.C.A. § 103.

15. Patents € 104

and in making the ultimate determination terferences are presumed to act from the in the art to which the subject matter In finding the relevant facts, in assessing the significance of the prior art, of the issue of obviousness, the examiner and the Board of Patent Appeals and Inviewpoint of a person having ordinary skill pertains; thus, when they rely on what they assert to be general knowledge to

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Cite as 277 F.3d 1338 (Fed. Cir. 2002)

negate patentability, that knowledge must articulated and placed on the record and the failure to do so is not consistent with either effective administrative procedure or effective judicial review. U.S.C.A. § 706(2); 35 U.S.C.A. § 103.

Patents € 111

claims, but must set forth the rationale on ermination, the Board of Patent Appeals and Interferences cannot rely on conclusory statements when dealing with particular combinations of prior art and specific In the context of an obviousness dewhich it relies: 5 U.S.C.A. § 706(2); 35 U.S.C.A. § 103.

17. Administrative Law and Procedure €=326, 485, 507

the agency tribunal must make findings of relevant facts, and present its reasoning in sufficient detail that the court may conduct meaningful review of the agency action. 5 quires that an agency apply the law in accordance with statute and precedent; Sound administrative procedure reRichard H. Stern, of Washington, DC, argued for Sang Su Lee. With him on the brief was Robert E. Bushnell.

mark Office. With him on the brief were John M. Whealan, Solicitor, and Raymond T. Chen, Associate Solicitor. Of counsel tor, of Arlington, Virginia, argued for the were Maximilian R. Peterson and Mark Sidney O. Johnson, Jr., Associate Solici-Director of the U.S. Patent and Trade-Nagumo, Associate Solicitors.

CLEVENGER, and DYK, Circuit Judges. Before PAULINE NEWMAN,

Ex parte Lee, No.1994-1989 (Bd. Pat.App. & Int. Aug. 30, 1994; on reconsid'n Sept. 29,

PAULINE NEWMAN, Circuit Judges

The Prosecution Record Act, and remand for further proceeding Lee's patent application Serial No. 07/63 We vacate the Board's decision for fail Sang-Su Lee appeals the décision of of the United States Patent and Tra 210 entitled "Self-Diagnosis and Seg tial-Display Method of Every Function Board of Patent Appeals and Interfere view under the Administrative, Proce mark Office, rejecting all of the claim to meet the adjudicative standards of

book describes the

to a method of automatically displaying Mr. Lee's patent application is direct demonstrating how to select and adjust functions of a video display device functions in order to facilitate response electronics, including pulse-width m are achieved using computer-man the user. The display and demonstrate lation and auto-fine-tuning pulses, in dance with procedures described i specification. Claim 10 is représen

ing functions of a video display dev 10. A method for automatically disp William . comprising:

determining if a demonstration mo TO STANDED is selected;

The Board stated:

S Opposite Comments screen displaying a list of a plurality if said demonstration mode is select automatically entering a picture adju ment mode having a picture one picture functions; and

suggestion in a particular reference.

automatically demonstrating selection and adjustment of individual ones of plurality of picture functions, and The examiner rejected the claims of ent No. 4,626,892 to Nortrup, and Thunderchopper Helicopter Oper ground of obviousness, citing the con tion of two references: United State

nary skill in the art."

新世(67)

book showed video demonstrations of the of motivation to combine the Nortrup view of the Examiner's Answer reveals that the examiner merely stated that both the Nortrup function menu and the Thunderchopper demonstration mode are program features and that the Thunderchopper mode "is user-friendly" and it functions as a tutorial, and that it would to the problem of adjusting display functions because the Thunderchopper Handand Thunderchopper references, the tion that we stated in our prior decision" ed "a well reasoned discussion of why the references." The Board did not state the examiner's reasoning, and rethe Lee invention, and that the field of "features" of the game. On the matter there is sufficient motivation to combine Board stated that "we maintain the posiand that the Examiner's Answer providhave been obvious to combine them. examiner held that it would have been obvious to a person of ordinary skill to game, and that the prior art provided no reference describes a television set having combine the teachings of these references Lee appealed to the Board, arguing that the Thunderchopper Handbook simply explained how to play the Thunderchopper teaching or motivation or suggestion to Handbook for a video game. The Nortrup menu display by which the user can Thunderchopper game's video display as having a "demonstration mode" showing how to play the however, the Thunderchopper combine this reference with Nortrup, or adjust various picture and audio functions; however, the Nortrup display does not include a demonstration of how to adjust the functions. The Thunderchopper Hand-Handbook makes no mention of the adjust-

ment of picture or audio functions.

to produce the Lee system.

Lee had pressed the examiner during or motivation in the prior art to select and tal Answer, stated that the combination of Thunderchopper with Nortrup "would in the art since the demonstration mode is just a programmable feature which can be viding automatic introduction by adding the proper programming software," and that "another motivation would be that the friendly and it functions as a tutorial." reasoned discussion of these references and how the combination of these references meets the claim limitations." However, perhaps recognizing that the examiner had provided insufficient justification to prosecution for some teaching, suggestion, combine the references that were relied on to show obviousness. The Examiner's Anused in many different device[s] for proautomatic demonstration mode is user swer before the Board, plus a Supplemenstating "the examiner has provided a well have been obvious to one of ordinary skill The Board adopted the examiner's answer was "from the same field of endeavor" as Lee invention. The Board held that it was not necessary to present a source of a The conclusion of obviousness may be in the art without any specific hint or sense" on which it relied for its conclusion that "the combined teachings of Nortrup to which the Board responded after five years. The Board reaffirmed its deci-Handbook was "analogous art" because it teaching, suggestion, or motivation to combine these references or their teachings. made from common knowledge and com-Board op. at 7. The Board did not explain the "common knowledge and common and Thunderchopper would have suggest-Lee filed a request for reconsideration, sion, stating that the Thunderchopper that such combination would produce the mon sense of a person of ordinary skill ed the claimed invention to those of ordi-

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gestion" of motivation to combine was not derchopper references, the Board held, as support combining the Nortrup and Thunstated supra, that a "specific hint or sugrequired

This appeal followed.

Judicial Review

- we review a PTO Board's findings and conclusions in accordance with the followby the Administrative Procedure Act, and tive agencies. Dickinson v. Zurko, 527 [1] Tribunals of the PTO are governed their rulings receive the same judicial def-U.S. 150, 119 S.Ct. 1816, 144 L.Ed.2d 143, Thus on appeal erence as do tribunals of other administra-50 USPQ2d 1930 (1999). ing criteria:
- 5 U.S.C. § 706(2) The reviewing court
- (2) hold unlawful and set aside agency actions, findings, and conclusions found to be—
- (A) arbitrary, capricious, an abuse of discretion, or otherwise not in accordance with law;
- (E) unsupported by substantial evidence in a case subject to sections 556 and 557 of this title or otherwise reviewed on the record of an agency hearing provided by statute;
- The agency tribunal must set forth its its application of the law to the found facts. [2,3] For judicial review to be meanported by the agency record, and explain ingfully achieved within these strictures, the agency tribunal must present a full and reasoned explanation of its decision. findings and the grounds thereof, as sup-The Court has often explained:
- The Administrative Procedure Act, decisionmaking." Not only must an which governs the proceedings of administrative agencies and related judicial review, establishes a scheme of "reasoned agency's decreed result be within the

scope of its lawful authority, but the process by which it reaches that result must be logical and rational.

Allentown Mack Sales and Service, Inc. 1998) (citation omitted). This stand trative record showing the evidence within the four corners of the recor essary findings and to provide an adm Vational Labor Relations Bd., 522 obligation of the agency to make the by the agency's reasoning in reaching 359, 374, 118 S.Ct. 818, 139 L.Ed.2d requires that the agency not only Cir.2001) (review is on the administra 2000) (Board decision "must be jus reached a sound decision, but have ar reviewing court is thus enabled to per view of a Board decision denying an which the findings are based, accomp conclusions. See In re Zurko, 258 1379, 1386, 59 USPQ2d 1693, 1697, record); In re Gartside, 203 F.3d 814, 28 L.Ed.2d 136 (1971). Judicia neaningful review within the strictur the APA, for the court will have a bas which to determine "whether the de ated the reasons for that decision was based on the relevant factors udgment." Citizens to Preserve On 1314, 53 USPQ2d 1769, 1774 (Fe Park v. Volpe, 401 U.S. 402, 416, 91 whether there has been a clear er cation for patent is thus founded

ensuing precedent. The patent examina of patentability vel non when the issued [4,5] As applied to the determination 148 USPQ 459, 467 (1966) and extensive obviousness, "it is fundamental that reli tions under 35 U.S.C. § 103 must be ba J.S. 1, 17–18, 86 S.Ct. 684, 15 L.Ed.^{2d}. forth in Graham v. John Deere Co. dence on the issue of obviousness is on evidence comprehended by the guage of that section." In re-Gros 713 F.2d 731, 739, 218 USPQ (769) The essential factua (Fed.Cir.1983).

IN RE SANG-SU LEE Cite as 277 F.3d 1338 (Fed. Cir. 2002)

tion process centers on prior art and the bine [the] references," a question of fact includes evidence relevant to the finding of whether there is a teaching, motivation, or turns on the question of obviousness, the search for and analysis of the prior art suggestion to select and combine the references relied on as evidence of obviousness. Inc., 262 F.3d 1339, 1351-52, 60 USPQ2d 1001, 1008 (Fed.Cir.2001) ("the central question is whether there is reason to com-See, e.g., McGinley v. Franklin Sports, drawing on the Graham factors).

combined only if there is some suggestion nal) (quoting ACS Hosp. Sys., Inc. v. Moning the specific combination that was made 988) ("'teachings of references can be or incentive to do so.") (emphasis in origidefense against the subtle but powerful attraction of a hindsight-based obviousness quirement for a showing of the teaching or motivation to combine prior art referby the applicant); In re Fine, 837 F.2d 1071, 1075, 5 USPQ2d 1596, 1600 (Fed.Cir. live evidence of record. This precedent has been reinforced in myriad decisions, 56 USPQ2d 1456, 1459 (Fed.Cir.2000) "a showing of a suggestion, teaching, or notivation to combine the prior art references is an 'essential component of an Inc., v. M3 Systems, Inc., 157 F.3d 1340, 1352, 48 USPQ2d 1225, 1232 (Fed.Cir. 999, 50 USPQ2d 1614, 1617 (Fed.Cir.1999) "Our case law makes clear that the best analysis is rigorous application of the reences."); In re Dance, 160 F.3d 1339, 1343, 48 USPQ2d 1635, 1637 (Fed.Cir.1998) (there must be some motivation, suggestion, or teaching of the desirability of makcombine references must be thorough and searching." Id. It must be based on objecand cannot be dispensed with. See, e.g., Brown & Williamson Tobacco Corp. v. Philip Morris Inc., 229 F.3d 1120, 1124obviousness holding'") (quoting C.R. Bard, (1998)); In re Dembiczak, 175 F.3d 994,

732 F.2d 1572, 1577, 221 USPQ 929, 933 (Fed.Cir.1984)). tefiore Hosp.,

available to one of ordinary skill in the art lect the references and to combine them to JSPQ2d 1780, 1783 (Fed.Cir.1992) (the exobviousness of the combination "only by showing some objective teaching in the would lead that individual to combine the Cir.2000) ("particular findings must be nade as to the reason the skilled artisan, with no knowledge of the claimed invention, would have selected these compo-1359, 47 USPQ2d 1453, 1459 (Fed.Cir. art is high, the Board must identify specifically the principle, known to one of ordinary skill, that suggests the claimed comoination. In other words, the Board must explain the reasons one of ordinary skill in the art would have been motivated to seender the claimed invention obvious."); In re Fritch, 972 F.2d 1260, 1265, 23 aminer can satisfy the burden of showing prior art or that knowledge generally nents for combination in the manner 1998) ("even when the level of skill in the The need for specificity pervades this authority. See, e.g., In re Kotzab, 217 F.3d 1365, 1371, 55 USPQ2d 1313, 1317 (Fed. claimed"); In re Rouffet, 149 F.3d 1350, relevant teachings of the references").

[6] "The factual inquiry whether to

the proper programming software" and that "another motivation would be that the statements that "the demonstration mode is just a programmable feature which can providing automatic introduction by adding friendly and it functions as a tutorial" do vation to combine. This factual question nation of the Nortrup and Thunderchopper references to render obvious that which be used in many different device[s] for automatic demonstration mode is user not adequately address the issue of moti-[7-9] With respect to Lee's application, neither the examiner nor the Board adequately supported the selection and combi-Lee described. The examiner's conclusory

of motivation is material to patentability, and could not be resolved on subjective belief and unknown authority. It is improper, in determining whether a person of ordinary skill would have been led to this combination of references, simply to "fuse] that which the inventor taught against its teacher." W.L. Gore v. Garlock, Inc., 721 F.2d 1540, 1553, 220 USPQ 303, 312–13 (Fed.Cir.1983). Thus the Board must not only assure that the requisite findings are made, based on evidence of record, but must also explain the reasoning by which the findings are deemed to support the agency's conclusion.

function of the process of review requires (1962)); Securities & Exchange Comm'n v. 454, 87 L.Ed. 626 (1943) ("The orderly trative agency acted are clearly disclosed velop an evidentiary basis for its findings. To the contrary, the Administrative Procee.g., Motor Vehicle Manufacturers Ass'n v. 463 U.S. 29, 43, 103 S.Ct. 2856, 77 L.Ed.2d 443 (1983) ("the agency must examine the relevant data and articulate a satisfactory explanation for its action including a 'rational connection between the facts found on Truck Lines v. United States, 371 U.S. 156, 168, 83 S.Ct. 239, 9 L.Ed.2d 207 Chenery Corp., 318 U.S. 80, 94, 63 S.Ct. that the grounds upon which the adminis-[10] Deferential judicial review under the Administrative Procedure Act does not and the choice made.' ") (quoting Burlingdure Act reinforces this obligation. See, relieve the agency of its obligation to de-State Farm Mutual Automobile Ins. Co., and adequately sustained.").

[11] In its decision on Lee's patent application, the Board rejected the need for "any specific hint or suggestion in a particular reference" to support the combination of the Nortrup and Thunderchopper references. Omission of a relevant factor required by precedent is both legal error and arbitrary agency action. See Motor Vehicle Manufacturers, 463 U.S. at

43, 103 S.Ct. 2856 ("an agency rulenty be arbitrary and capricious if the gag entirely failed to consider and Department of Energy, 50 F.3d 99 tant aspect of the problem"); Mul Cir.1987), an agency is "not free to (Fed.Cir.1995) ("It is well establish an explanation is grounds for down the action."). As discussed tional Labor Relations Bd. v. Ash Property Mgt. Corp., 817 F.2d 74., agencies have a duty to provide re heir decisions so that those decision courts with a sufficient explana standards, and that failure to prov be judged against the relevant, to follow circuit precedent."

general conclusions about what his the ences cannot be remedied by the Boa 1697, that "deficiencies of the cited in Zurko, 258 F.3d at 1385, 59 USE02 knowledge' or 'common sense cy's obligation. This court explaine tions and judicial reliance on agency petence. See Baltimore and Onlo those here provided do not fulfill the area of expertise. Reasoned finding dure Act. Conclusory statements su agency's application of its knowledge Co. v. Aberdeen & Rockfish R.R. Co viewing court may confidently deferi when reasoned findings are made, specialized knowledge and expertise emplated by the Administrative judicial deference to the rulings of ta cribunals is that the tribunal has \$ ized knowledge and expertise; such critical to the performance of agency [12] The foundation of the princ common sense" on which the Boar in rejecting Lee's application are on substantial evidence effective U.S. 87, 91–92, 89 S.Ct. 280, 21 219 (1968) (absent reasoned finding expertise"). The "common knowle would become lost "in the haze

Board's findings must extend to all material facts and must be documented on the record, lest the "haze of so-called expertise" acquire insulation from accountability. "Common knowledge and common sense," even if assumed to derive from the agency's expertise, do not substitute for authority when the law requires authority. See Allentoum Mack, 522 U.S. at 376, 118 S.Ct. 818 ("Because reasoned decisionmaking demands it, and because the systemic consequences of any other approach are unacceptable, the Board must be required to apply in fact the clearly understood legal standards that it enunciates in principle...")

proper authority, and reasoned findings Bozek's reference to common knowledge does not in and of itself make it so" does Bozek, after thirty-two years of isolation, outweigh the dozens of rulings of the Federal Circuit and the Court of Customs and Patent Appeals that determination of patentability must be based on evidence. This court, has remarked, in v. Vital Signs, Inc., 183 F.3d 1347, 1356, 51 USPQ2d 1415, 1421 (Fed.Cir.1999), that stating that the phrase was used by the Solicitor to support the Board's conclusion prior art. Bozek did not hold that common knowledge and common sense are a substitute for evidence, but only that they may can be omitted from Board decisions. Nor 57 C.C.P.A. 713, 416 F.2d 1385, 163 USPQ 545 (1969), indeed mentions "common knowledge and common sense," the CCPA of obviousness based on evidence in the be applied to analysis of the evidence. Bozek did not hold that objective analysis, Smiths Industries Medical Systems, Inc. The case on which the Board relies for its departure from precedent, In re Bozek, absent evidence of such knowledge.

[13-16] The determination of patentability on the ground of unobviousness is ultimately one of judgment. In furtherance of the judgmental process, the patent

ord. The failure to do so is not consistent board cannot rely on conclusory statenations of prior art and specific claims, but must set forth the rationale on which it and the Board are presumed to act from what they assert to be general knowledge to negate patentability, that knowledge ments when dealing with particular combiand in making the ultimate determination this viewpoint. Thus when they rely on must be articulated and placed on the recwith either effective administrative procetion 103. In finding the relevant facts, in of the issue of obviousness, the examiner and to place on the official record, that which has been considered with respect to patentability. The patent examiner and the Board are deemed to have experience in the field of the invention; however, this experience, insofar as applied to the determination of patentability, must be applied from the viewpoint of "the person having ordinary skill in the art to which said subject matter pertains," the words of secassessing the significance of the prior art, examination procedure serves both to find, dure or effective judicial review. relies.

Alternative Grounds

those grounds are inadequate or improper, the court is powerless to affirm the admin-Lines, Inc. v. United States, 371 U.S. 156, 168, 88 S.Ct. 239, 9 L.Ed.2d 207 (1962), "courts may not accept appellate counsel's post hoc rationalization for agency action." Consideration by the appellate tribunal of new agency justifications deprives the aggrieved party of a fair opportunity to supistrative decision must be made on the istrative action by substituting what it conposed alternative grounds on which this court might affirm the Board's decision. However, as stated in Burlington Truck port its position; thus review of an admin-At oral argument the PTO Solicitor progrounds relied on by the agency.

the same result for a different reason.". Thus we decline to consider alternative grounds that might support the Board's the case—even though the agency (like a basis." Securities & Exchange Comm'n v. 1575, 91 L.Ed. 1995 (1947). As reiterated U.S. 11, 25, 118 S.Ct. 1777, 141 L.Ed.2d 10 (1998), "If a reviewing court agrees that new jury after a mistrial) might later, in siders to be a more adequate or proper Chenery Corp., 332 U.S. 194, 196, 67 S.Ct. in Federal Election Comm'n v. Akins, 524 the agency misinterpreted the law, it will set aside the agency's action and remand the exercise of its lawful discretion; reach decision.

Further Proceedings

nal set forth the findings and explanations needed for "reasoned decisionmaking." tive Procedure Act that the agency tribuments for determination of obviousness or with the requirements of the Administracedents) while withholding judgment on the lawfulness of the agency's proposed Board's analysis of the Lee invention does not comport with either the legal requireexplained," quoting from Checkosky v. Securities & Exch. Comm'n, 23 F.3d 452, 464 "[i]n the former circumstance, the court's while in the latter the court frequently remands for further explanation (including discussion of the relevant factors and pre-In this case the agency reasoning that is 'so crippled as to (D.C.Cir.1994); the court explained that practice is to vacate the agency's order, requires that the agency apply the law in accordance with statute and precedent. In Radio-Television News Directors Ass'n v. FCC, 184 F.3d 872 (D.C.Cir.1999) the court discussed the "fine line between be unlawful' and action that is potentially lawful but insufficiently or inappropriately [17] Sound administrative procedure The agency tribunal must make findings of relevant facts, and present its reasoning in sufficient detail that the court may conduct meaningful review of the agency action. action." Id. at 888.

See Overton Park, 401 U.S. at 420 tontha. S.Ct. 814 (remanding for furthern ings appropriate to the administra Remand for these purposes with

VACATED AND REMANDED

guity construed against them unless they inquired about the correct meaning of the

Contractors will have a patent ambi-

1. United States \$\sim 70(30)\$

Affirmed pension."



P.R. BURKE CORP., Plaintif Appellant,

M. . . M.

TOTAL TOTAL

UNITED STATES, Defendant-App

No. 01-5001.

Jan. 23, 2002. United States Court of Applea Federal Circuit

The control of the

Statement by assistant plant manager, that waste treatment plant's trickling filter could be shut down, but only for "not more than 60 days" amounted to nothing more than a "scintilla of evidence," and could not serve as basis to withstand summary judg-

operation." 3. Federal Civil Procedure ©=2492

construed against contractor; (3) contract, performable as written tor's interpretation of contract was sonable; (4) contract was riperfi costs on two contracts for repairing provement of sewage treatment Contractor brought suit again ed States seeking to recover ad The United States Court of Claims, Lynn Jeanne Bush unctional and thus had to con partial summary judgment for ed. The Court of Appeals, Miche States, 47 Fed. Cl. 340. Contract that waste treatment plant had Judge, held that: (1) contract leged patent ambiguity was red plant shall remain in operafic normal treatment of wastewa

ing officer or other authorized representa-P.R. BURKE CORP. v. U.S. Cite as 277 F.3d 1346 (Fed. Cir. 2002) contract was not under "constructive sus-"GC 150

tives can bind the government.

5. United States \$\infty\$70(2.1, 30)

ous contract term against the party who ambiguity on the face of the contract, a patent ambiguity, triggers a duty on behalf of a public contractor to inquire about that ambiguity before it even bids on a contract guity in the contract will be resolved Courts ordinarily construe an ambigudrafted it; as an exception to this rule, an and absent such an inquiry, a patent ambiagainst the contractor.

6. United States €70(30)

wastewater; although contractor asserted

that it was impossible for plant to continue its normal treatment of wastewater while it was under repair, there were several alternatives for sequencing tasks needed to perform contract, each of which would have permitted the plant to "remain in

had to continue its normal treatment of

in operation," meant that waste treatment plant had to remain functional and thus

Contract term, "the plant shall remain

2. United States \$\sim 70(8)\$

terms at issue.

down and would have completely disrupted normal plant operations, in direct conflict Contractor's proposed interpretation sulted in contract having "patent ambiguity," requiring ambiguity to be construed against contractor; according to contractor's interpretation of contract, critical operations of plant would have been shut with "remain in operation" and least possiof government construction contract reble disruption terms in contract.

es for other judicial constructions See publication Words and Phrasand definitions.

7. United States \$\sim 74(4)\$

ment, on issue of whether filter had to

remain in operation during construction; assistant plant manager did not have au-

terpretation of that provision when prepar-In order for a contractor to recover based on an ambiguous contract provision the contractor must have relied on its ining its bid.

> ing that treatment plant could continue to operate without trickling filter, but govern-

dence confirming that plant could not opment, by contrast, offered conclusive evil

thority to amend contract and contractor failed to provide any other evidence show-

8. United States \$\infty\$70(3)

terpretation becomes crucial in deciding tent ambiguity will only be adopted if it is found to be reasonable; if a court finds that a patent ambiguity did not exist, then the reasonableness of the contractor's inwhether the normal contra proferentem A contractor's interpretation of a la-

See publication Words and Phrasand definitions. erate normally without that filter. Fed. es for other judicial constructions Rules Civ. Proc. Rule 56, 28 U.S.C.A.

1.75

BEST AVAILABLE COPY

e.g., fraud, only the government's contract-

Absent some unique circumstance,

United States ←60